

EXHIBIT M

Pixel phone hardware tech specs

Check out the tech specs for Pixel phones. If you're interested in buying a Pixel phone, visit the [Google Store](#).

Pixel 7 phones (2022)

[Pixel 7 Pro](#) 

[Pixel 7](#) 

Pixel 6a phone (2022)

[Pixel 6a](#) 

Pixel 6 phones (2021)

[Pixel 6 Pro](#) 

[Pixel 6](#) 

Pixel 5a (5G) phone (2021)

[Pixel 5a \(5G\)](#) 

Pixel 5 phone (2020)

[Pixel 5](#) 

Pixel 4a phones (2020)

[Pixel 4a \(5G\)](#) 

[Pixel 4a](#) 

Pixel 4 phones (2019)

Pixel 4



Operating system	Android 10 (Q)
Display	<ul style="list-style-type: none">Fullscreen 5.7" (144.7 mm) displayFHD+ flexible OLED at 444 ppi19:9Ambient EQSmooth Display (up to 90 Hz¹)Corning® Gorilla® Glass 5Always-on displayNow Playing
Characteristics	<ul style="list-style-type: none">100,000:1 super contrast ratioFull 24-bit depth or 16.77 million colorsTrue black levelHDR Support (UHDA certification)
Dimensions and Weight²	<ul style="list-style-type: none">68.8 x 147.1 x 8.2 mm2.7 x 5.7 x 0.3 inches162 g
Battery	<ul style="list-style-type: none">2800 mAh18 W/2 A USB Type C charger18 W fast charging³Qi-certified wireless charging
Memory and Storage	<ul style="list-style-type: none">6 GB LPDDR4x64 GB or 128 GB⁴
Processors	<ul style="list-style-type: none">Qualcomm Snapdragon 8552.84 GHz + 1.78 GHz, 64-bit Octa-CoreAdreno 640Titan M Security Module⁵Pixel Neural Core™
Rear Camera	<p>16 MP</p> <ul style="list-style-type: none">1.0 µm pixel widthAutofocus with phase detectionOptical + electronic image stabilizationSpectral + flicker sensor<i>f</i>/2.4 aperture52° field of view

	<p>12.2 MP</p> <ul style="list-style-type: none">• 1.4 μm pixel width• Autofocus with dual pixel phase detection• Optical + electronic image stabilization• $f/1.7$ aperture• 77° field of view
Front Camera	<ul style="list-style-type: none">• 8 MP• 1.22 μm pixel width• $f/2.0$ aperture• Fixed focus• 90° field of view• NIR (near-infrared) flood emitter• NIR (near-infrared) dot projector• 2 NIR (near-infrared) cameras
Video	<p>Rear Camera</p> <ul style="list-style-type: none">• 1080p @ 30 FPS, 60 FPS, 120 FPS• 720p @ 240 FPS• 4K @ 30 FPS <p>Front Camera</p> <ul style="list-style-type: none">• 1080p @ 30 FPS
Sensors	<ul style="list-style-type: none">• Active Edge™• Proximity / Ambient light sensor• Accelerometer / Gyrometer• Magnetometer• Barometer• Android Sensor Hub• Sharp and textured haptics• Microphones• Motion Sense™⁶
Charging	<ul style="list-style-type: none">• USB-C™ 18 W adapter with USB-PD 2.0• 18 W fast charging⁷
External Buttons and Ports	<ul style="list-style-type: none">• USB Type-C™ 3.1 Gen 1• Power button• Volume controls
SIMs	<ul style="list-style-type: none">• Single Nano SIM• eSIM⁸
Media & Audio	<ul style="list-style-type: none">• Stereo speakers

	<ul style="list-style-type: none"> • 3 microphones • Noise suppression 	
Wireless and Location	<ul style="list-style-type: none"> • Wi-Fi 2.4 GHz + 5 GHz 802.11 a/b/g/n/ac 2x2 MIMO • Bluetooth 5.0 + LE (HD codecs: AptX, AptX HD, LDAC) • NFC • Google Cast • Dual band (L1 + L5) and (E1 + E5a) <p>US</p> <ul style="list-style-type: none"> • GPS⁹, GLONASS, Galileo⁹ <p>ROW</p> <ul style="list-style-type: none"> • GPS⁹, GLONASS, BeiDou, Galileo⁹ 	
Network¹⁰	<ul style="list-style-type: none"> • Up to 5xCA, LAA, DL 4x4 MIMO, • CAT 18 up to 1.2 Gbps download, CAT 13 150 Mbps upload <p>North America & Taiwan: Models G020I</p> <ul style="list-style-type: none"> • GSM/EDGE: Quad-band (850, 900, 1800, 1900 MHz) • UMTS/HSPA+/HSDPA: Bands 1/2/4/5/8 • CDMA EVDO Rev A: BC0/BC1/BC10 • LTE: Bands 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/38/39/40/41/46/48/66/71 • eSIM¹¹ <p>Rest of the World: Models G020M</p> <ul style="list-style-type: none"> • GSM/EDGE: Quad-band (850, 900, 1800, 1900 MHz) • UMTS/HSPA+/HSDPA: Bands 1/2/4/5/8 • LTE: Bands B1/2/3/4/5/7/8/12/13/17/20/25/26/28/32/38/39/40/41/66/71 • eSIM¹¹ <p>Japan: Models G020N</p> <ul style="list-style-type: none"> • GSM/EDGE: Quad-band (850, 900, 1800, 1900 MHz) • UMTS/HSPA+/HSDPA: Bands 1/2/4/5/6/8/19 • LTE: Bands 1/2/3/4/5/7/8/12/13/17/18/19/20/21/25/26/28/38/39/40/41/42/66 • Felica • eSIM¹¹ 	
Colors	<ul style="list-style-type: none"> • Just Black • Clearly White • Oh So Orange 	
In box	<p>US, CA, UK, DE, IT, ES, IE, SG, TW, JP</p> <ul style="list-style-type: none"> • 18 W USB-C™ power adapter • 1 m USB-C to USB-C cable (USB 2.0) • Quick Start Guide 	

	<ul style="list-style-type: none"> Quick Switch Adapter SIM tool <p>FR, AU</p> <ul style="list-style-type: none"> 18 W USB-C™ power adapter 1 m USB-C to USB-C cable (USB 2.0) Quick Start Guide Quick Switch Adapter SIM tool Pixel USB-C earbuds 	
Hearing Aid Compatibility	<ul style="list-style-type: none"> M3/T4 HAC Rating Google's devices meet the hearing aid compatibility (HAC) requirements set by the FCC. See g.co/pixel/hac. 	
Security and OS Updates	<ul style="list-style-type: none"> Minimum 3 years of OS and security updates¹² 	
Materials	<ul style="list-style-type: none"> Aluminum frame + matte finish hybrid coating Corning® Gorilla® Glass 5 on the front Soft touch or polished glass (Corning® Gorilla® Glass 5) on the back IP68 dust and water protection¹³ 	
AR/VR	ARCore	
Warranty	<p>US, CA, SG, JP, TW</p> <ul style="list-style-type: none"> 1 year <p>UK, DE, FR, ES, IE, IT, AU</p> <ul style="list-style-type: none"> 2 years 	

Notes

¹ Not available for all apps or content. Display automatically adjusts to optimize for best viewing and battery performance.

² Size and weight vary by configuration and manufacturing process.

³ Charging rates are based upon use of the included charger. Actual results may vary.

⁴ Storage specifications refer to capacity before formatting. Actual formatted capacity will be less.

⁵ See g.co/pixel/security for additional security information.

⁶ Not functional in Japan. Motion Sense is functional in the US, Canada, Singapore, Australia, Taiwan, and most European countries. Not all phone features are controlled by Motion Sense. For more information see g.co/pixel/motionsense.

⁷ Charging rates are based upon use of the included charger. Actual results may vary.

⁸ eSIM enabled only for AU, CA, DE, ES, GB, JP, TW, and US. See your carrier for details.

⁹ Dual band (L1 + L5) and (E1 + E5a).

¹⁰ Pixel 4 and 4 XL sold in Google Store are unlocked phones and work on major carrier networks. In the US, Pixel 4 and 4 XL are compatible with all GSM-based networks and CDMA-based networks.

¹¹ eSIM enabled only for AU, CA, DE, ES, GB, JP, TW, and US. See your carrier for details.

¹² Android version updates for at least 3 years from when the device first became available on the U.S. Google Store. See g.co/pixel/updates for details.

¹³ Pixel 4 and Pixel 4 XL have a water protection rating of IPx8 under IEC standard 60529. Charger and accessories are not water resistant. Water resistance is not a permanent condition and may be compromised due to normal wear and tear, repair, disassembly or damage.

Pixel 4 XL



Pixel 3a phones (2019)

Pixel 3a



Pixel 3a XL



Pixel 3 phones (2018)

Pixel 3



Pixel 3 XL



Pixel 2 phones (2017)

Pixel 2



Pixel 2 XL



Pixel phones (2016)

Pixel



Pixel XL



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